## (19) World Intellectual Property Organization

International Bureau



## THE RESIDENCE OF THE PARTY AND THE PARTY AND

(43) International Publication Date 8 July 2004 (08.07.2004)

**PCT** 

## (10) International Publication Number WO 2004/057532 A1

(51) International Patent Classification<sup>7</sup>: H04N 5/262

G06T 3/40,

(21) International Application Number:

PCT/IB2003/005362

(22) International Filing Date:

18 November 2003 (18.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02080380.5

19 December 2002 (19.12.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

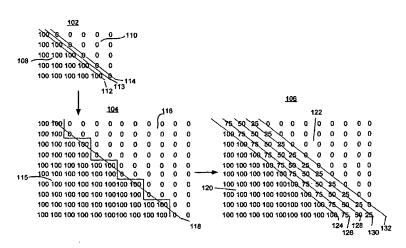
(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMAGE SCALING



(57) Abstract: A method of converting a first image (102) with a first resolution into a second image (106) with a second resolution, comprises pixel value insertion and convolution based on a non-separable multi-dimensional kernel which comprises a plurality of coefficients being equal to zero, a first portion of the plurality of coefficients being disposed on a first diagonal line through the non-separable multi-dimensional kernel and a second portion of the plurality of coefficients being disposed on a second diagonal line through the non-separable multi-dimensional kernel, the second diagonal line perpendicular to the first diagonal line. A diagonal edge of 45 degrees in the first image is preserved in the case of an iso-trope scaling. That means that, if pixel values on the edge in the first image are mutually equal, then also the pixel values on the edge in the second image are mutually equal. Optionally, the method comprises sub-sampling.

